

**APRIL/MAY 2024**

**23PMB22 — MEDICAL VIROLOGY AND  
PARASITOLOGY**

Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.



1. Define Viroides.
2. What if prions?
3. Which is the causative agent of Picorna virus?
4. List out the emerging viral infections.
5. Explain M13.
6. Define Lambda.
7. List out four Protozoan diseases.
8. Explain Balantidium.
9. Name any four parasitic disease.
10. Expand AIDS.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Interpret the general properties of virus.

Or

- (b) How to cultivate the viruses? with example.

12. (a) Illustrate pathogenesis, lab diagnosis and treatment of Adenovirus.

Or

- (b) Examine the pathogenesis, lab diagnosis, treatment of Ebola virus.

13. (a) What is antiviral agents? Give some examples.

Or

- (b) Explain about T4 bacteriophages in brief.

14. (a) Determine the pathogenic mechanism of Giardia.

Or

- (b) Assess the life cycle of *Leishmania*.

15. (a) Illustrate the pathogenicity of *Helminthus*.

Or

- (b) Predict the lab diagnosis and treatment of *Ascaris*.



SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Construct the detailed note on purification and Assay of virus.
17. Make a brief note about pathogenicity, lab diagnosis and treatment of Dengue.
18. Classify different types of viral vaccines.
19. Appraise the disease causing ability of *Entamoeba*.
20. What is AIDS? Give a detailed note on it.